

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hiroshige GOTO

SERIAL NO: NEW APPLICATION

GAU:

FILED: HEREWITH

EXAMINER:

FOR: AMPLIFICATION TYPE SOLID-STATE IMAGING DEVICE HAVING A POTENTIAL DETECTING CIRCUIT FOR EACH UNIT CELL AND HIGH-SPEED READOUT METHOD THEREOF



INFORMATION DISCLOSURE/RELATED CASE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

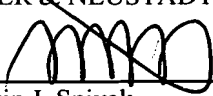
- ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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DOCKET NO.: 205142US2S

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STATEMENT OF RELEVANCY

Reference AO (10-150182) on Form **PTO-1449**:

This invention is a structure of a CMOS image sensor: Sharing a photo detection node
by two photodiodes

Reference AP (10-4520) on Form **PTO-1449**:

This invention is a structure of an MOS image sensor: Detecting sum of four-
photodiodes outputs by switching means.

Reference AQ (5-328224) on Form **PTO-1449**:

This invention is a structure an MOS image sensor: Detecting four-photodiodes-
outputs by four output lines and integrate them to two output lines.